

Whirlpool

by Arya Akhavan (September 2012)

Angles for R.I. = 2.160

209 + 16 girdles = 225 facets

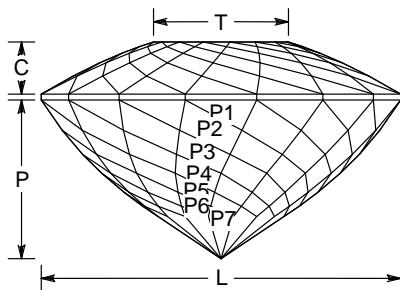
2-fold radial symmetry

96 index

$L/W = 1.000$ $T/W = 0.376$ $U/W = 0.376$

$P/W = 0.441$ $C/W = 0.145$

$Vol./W^3 = 0.220$



PAVILION

G1	90.00°	96-06-12-18-24-30-36-42-48-54-60-66-72-78-84-90	Set stone size.
P1	55.36°	96-06-12-18-24-30-36-42-48-54-60-66-72-78-84-90	Level girdle.
P2	50.93°	01-07-13-19-25-31-37-43-49-55-61-67-73-79-85-91	Meet G1, P1
P3	46.65°	02-08-14-20-26-32-38-44-50-56-62-68-74-80-86-92	Meet P1, P2
P4	42.53°	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93	Meet P2, P3
P5	39.54°	04-10-16-22-28-34-40-46-52-58-64-70-76-82-88-94	Meet P3, P4
P6	36.62°	05-11-17-23-29-35-41-47-53-59-65-71-77-83-89-95	Meet P4, P5
P7	33.79°	96-06-12-18-24-30-36-42-48-54-60-66-72-78-84-90	Meet P5, P6

CROWN

C1	29.60°	96-06-12-18-24-30-36-42-48-54-60-66-72-78-84-90	Set girdle width.
C2	27.09°	01-07-13-19-25-31-37-43-49-55-61-67-73-79-85-91	Meet G1, C1
C3	24.70°	02-08-14-20-26-32-38-44-50-56-62-68-74-80-86-92	Meet C1, C2
C4	22.43°	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93	Meet C2, C3
C5	20.25°	04-10-16-22-28-34-40-46-52-58-64-70-76-82-88-94	Meet C3, C4
C6	18.16°	05-11-17-23-29-35-41-47-53-59-65-71-77-83-89-95	Meet C4, C5
T	0.00°	Table	Meet C5, C6

I love Portuguese-style cuts, but I wanted to see if I could use radial symmetry to get more of a whirlpool effect.

It turns out that not only does this design swirl, but it also has different radial zones that you'd expect to see in a real whirlpool! The reflection pattern is awesome. Designed for blue CZ, and only really works in CZ.

Suggested size = 10-20 mm

C:\Program Files (x86)\GemCAD\Designs (Mine)\Whirlpool.gem